

Notice of Allowability

Application No.

09/821,928

Examiner

Marilyn P. Nguyen

Applicant(s)

TURBA, THOMAS N.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the interview with Mr. Lawrence M. Nawrocki on April 12, 2006.
2. ☒ The allowed claim(s) is/are 1-20.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


DON WONG
SUPERVISORY PATENT EXAMINER

DETAILED ACTION

1. In response to the communication dated January 25, 2006, claims 1-20 are active in this application and in the condition for allowance.
2. Examiner has made a provisional, judicially created, obvious-type double patenting rejection over the copending application number 09/822,686 in previous office actions. The filing of a terminal disclaimer of application '686 has been acknowledged.

Acknowledges

3. Receipt is acknowledged of the following items from the Applicant:
 - o The applicant's amendments have been considered.

Examiner's Amendment

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Lawrence M. Nawrocki, Reg. No. 29,333 on 04/12/06.

The application has been amended as follows:

1. In a data processing system having user terminal operated by a user, the improvement comprising:

a. a data base management system having a data base which executes an ordered sequence of command language script which performs a plurality of data base management functions to modify data within said data base coupled to said user terminal via a publicly accessible digital data communication network;

b. wherein said user terminal builds and stores within said data base for future use a service request specifying said plurality said data base management functions for utilizing said data base management system to modify data from said data base; and

c. Data Wizard within said data base management system which permits said user to build said service request as a table which defines an ordered sequence of discrete and independent sub tables wherein said sub tables define steps; each of said steps having its own encapsulated environment permitting each of said steps to be created and edited independently of any other step and wherein information stored for any one step does not interact with or interfere with information stored for another step, and wherein each of said step corresponds to a different portion of said ordered sequence of command language script and wherein said Data Wizard presents a plurality of valid steps as choices for addition at each position in said ordered sequence of discrete and independent sub tables.

6. An apparatus comprising:

a. a user terminal;

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b. a data base management system which executes an ordered sequence of command language script to modify data within a data base responsively coupled to said user terminal via a publicly accessible digital data communication network; and

c. Data Wizard responsively coupled to said user terminal and located within said data base management system which permits a user to build for future use a service request to perform at least one data base management function from said user terminal in accordance with an ordered sequence of discrete and independent steps corresponding to said ordered sequence of command language script to modify data within said data base and which presents a plurality of valid steps as choices for addition to said ordered sequence of discrete and independent steps wherein each of said ordered sequence of discrete and independent steps exists within its own encapsulated environment such that each of said ordered sequence of discrete and independent steps may be user created and modified independently of others of said ordered sequence of discrete and independent steps, wherein information stored for any one step does not interact with or interfere with information stored for another step.

11. A method of dynamically building a service defined by a table which specifies at least one data base management function to change data within a data base from a user terminal coupled via a publicly accessible digital data network to a remote data base management system which responds to an ordered sequence of command language script having a component building process comprising:

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- a. selecting from a larger plurality of potential steps and presenting a first plurality of potential steps for changing data within said data base which are valid for first position in an ordered sequence of steps which define said service;
- b. modifying a chosen one of said first plurality potential steps using a Data Wizard by editing said chosen one of said [[fist]] first plurality of potential steps;
- c. inserting said chosen one of said first plurality of potential steps modified into said ordered sequence steps;
- d. selecting from said larger plurality of potential steps and presenting a second plurality of potential steps which are valid for a next position said ordered sequence of steps;
- e. modifying a chosen one of said second plurality of potential steps using [[a]] the Data Wizard;
- f. inserting said chosen one of said second plurality of potential steps modified [[by step e]] into said ordered sequence of steps; wherein information stored for any one step does not interact with or interfere with information stored for another step;
- g. repeating steps [[c and d]] d, e and f until said service is complete; and
- h. storing said completed service within said remote data base management system for future use.

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12, A method according to claim 11 further wherein each of said presenting steps automatically inhibits presentation of any potential step which is not valid for said next position within said ordered sequence of steps. [[.]]

16. An apparatus comprising:

- a. permitting means for permitting a user to access a publicly accessible digital data communication network;
- b. providing means responsively coupled to said permitting means via said publicly accessible digital data communication network for providing data base management services to modify data within a data base in accordance with a service corresponding to an ordered sequence of command language script;
- c. designing means responsively coupled to said permitting means and located within said providing means for designing said service to modify said data within said data base through specification of an ordered plurality of discreet and independent steps;
- d. presenting means responsively coupled to said designing means for presenting a plurality of valid potential steps for selection of each of said ordered plurality of discreet and independent steps wherein each of said ordered plurality of discreet and independent steps is encapsulated into its own environment such that said each of said ordered plurality of discreet and independent steps may be created and modified by a user independently of others of said ordered plurality of

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discreet and independent steps wherein information stored for any one step does not interact with or interfere with information stored for another step; and

e. storing means for storing said service within said data base for future use.

Allowable subject matter

5. The following is an examiner's statement of reason for allowance:

None of the references of record Glaser (US Patent No. 6,058,264) teaches or suggests the claimed (Claim 1) invention having, in addition to the other limitations in the claims, the limitation of "a Data Wizard within said data base management system which permits said user to build said service request as a table which defines an ordered sequence of discrete and independent sub tables wherein said sub tables define steps; each of said steps having its own encapsulated environment permitting each of said steps to be created and edited independently of any other step and wherein information stored for any one step does not interact with or interfere with information stored for another step".

None of the references of record Glaser (US Patent No. 6,058,264) teaches or suggests the claimed (Claim 6) invention having, in addition to the other limitations in the claims, a Data Wizard "which presents a plurality of valid steps as choices for addition to said ordered sequence of discrete and independent steps wherein each of said ordered sequence of discrete and independent steps exists within its own encapsulated environment such that each of said ordered sequence of discrete and independent steps may be user created and modified independently of others of said ordered sequence of discrete and independent steps, wherein information stored for any one step does not interact with or interfere with information stored for another step".

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None of the references of record Glaser (US Patent No. 6,058,264) teaches or suggests the claimed (Claim 11) invention having, in addition to the other limitations in the claims, the limitation of modifying a chosen ones of plurality of potential steps using a Data Wizard and inserting the chosen ones of the plurality of potential steps modified into a first position and a next position of the ordered sequence of steps wherein information stored for any one step does not interact with or interfere with information stored for another step.

None of the references of record Glaser (US Patent No. 6,058,264) teaches or suggests the claimed (Claim 16) invention having, in addition to the other limitations in the claims, the limitation of “wherein each of said ordered plurality of discreet and independent steps is encapsulated into its own environment such that said each of said ordered plurality of discreet and independent steps may be created and modified by a user independently of others of said ordered plurality of discreet and independent steps wherein information stored for any one step does not interact with or interfere with information stored for another step”.

Dependent claims 2-5, 7-10, 12-15 and 17-20 are allowable because they depend from base claims.

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance”.

Conclusion

7. A shortened statutory period for response to this action is set to expire 3 (three) months and 0 (zero) day from the day of this letter. Failure to respond within the period for response will cause the application to become abandoned (see M.P.E.P 710.02(b)).

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Bae U.S Patent No. 6,295,531 discloses cool ice data wizard.

Turba U.S Patent No. 6,721,722 discloses cool ice data wizard calculation service.

Piero Fraternali discloses, "Tools and Approaches for Developing Data-Intensive Web Applications: A Survey" (1999).

Piero Fraternali and Paolo Paolini discloses, "Model-Driven Development of Web Applications: The Autoweb System" (2000).

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Merilyn P Nguyen whose telephone number is 571-272-4026.

The examiner can normally be reached on M-F: 8:30 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on 571-272-1834. The fax phone numbers for the organization where this application or proceeding is assigned are 571-273-8300 for regular communications and 703-746-7240 for After Final communications.

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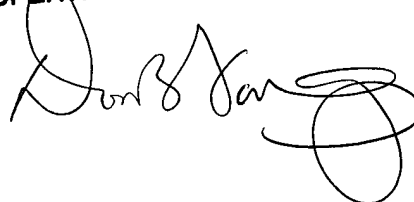
Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

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April 12, 2006

DONWONG
SUPERVISORY PATENT EXAMINER

A handwritten signature in black ink, appearing to read "Don Wong", written over the printed name and title.